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L1      1140 SEA FILE=BIOSIS ABB=ON  PLU=ON  (COFFEE OR COFFEE W ARABICA) (5A
) (BEAN OR BERR? OR FRUITS OR SEEDS)
L2      801 SEA FILE=SCISEARCH ABB=ON  PLU=ON  (COFFEE OR COFFEE W
ARABICA) (5A) (BEAN OR BERR? OR FRUITS OR SEEDS)
L3      644 SEA FILE=AGRICOLA ABB=ON  PLU=ON  (COFFEE OR COFFEE W ARABICA) (
5A) (BEAN OR BERR? OR FRUITS OR SEEDS)
L4      2977 SEA FILE=CAPLUS ABB=ON  PLU=ON  (COFFEE OR COFFEE W ARABICA) (5A
) (BEAN OR BERR? OR FRUITS OR SEEDS)
L5      276 SEA FILE=EMBASE ABB=ON  PLU=ON  (COFFEE OR COFFEE W ARABICA) (5A
) (BEAN OR BERR? OR FRUITS OR SEEDS)
L6      5838 SEA (COFFEE OR COFFEE W ARABICA) (5A) (BEAN OR BERR? OR FRUITS
OR SEEDS)
L19      3 SEA FILE=BIOSIS ABB=ON  PLU=ON  L1 AND (ALPHA GALATOSIDASE OR
A-GALACTOSIDASE OR GALACTOSIDASE) AND (GALACTOMANNAN OR
GLACTO-MANNAN OR MANNAN?)
L20      2 SEA FILE=SCISEARCH ABB=ON  PLU=ON  L2 AND (ALPHA GALATOSIDASE
OR A-GALACTOSIDASE OR GALACTOSIDASE) AND (GALACTOMANNAN OR
GLACTO-MANNAN OR MANNAN?)
L21      2 SEA FILE=AGRICOLA ABB=ON  PLU=ON  L3 AND (ALPHA GALATOSIDASE
OR A-GALACTOSIDASE OR GALACTOSIDASE) AND (GALACTOMANNAN OR
GLACTO-MANNAN OR MANNAN?)
L22      12 SEA FILE=CAPLUS ABB=ON  PLU=ON  L4 AND (ALPHA GALATOSIDASE OR
A-GALACTOSIDASE OR GALACTOSIDASE) AND (GALACTOMANNAN OR
GLACTO-MANNAN OR MANNAN?)
L23      0 SEA FILE=EMBASE ABB=ON  PLU=ON  L5 AND (ALPHA GALATOSIDASE OR
A-GALACTOSIDASE OR GALACTOSIDASE) AND (GALACTOMANNAN OR
GLACTO-MANNAN OR MANNAN?)
L24      19 SEA L6 AND (ALPHA GALATOSIDASE OR A-GALACTOSIDASE OR GALACTOSID
ASE) AND (GALACTOMANNAN OR GLACTO-MANNAN OR MANNAN?)
L25      0 SEA FILE=BIOSIS ABB=ON  PLU=ON  ANTISENSE? AND L19
L26      0 SEA FILE=SCISEARCH ABB=ON  PLU=ON  ANTISENSE? AND L20
L27      0 SEA FILE=AGRICOLA ABB=ON  PLU=ON  ANTISENSE? AND L21
L28      1 SEA FILE=CAPLUS ABB=ON  PLU=ON  ANTISENSE? AND L22
L29      0 SEA FILE=EMBASE ABB=ON  PLU=ON  ANTISENSE? AND L23
L30      1 SEA ANTISENSE? AND L24
L31      0 SEA FILE=BIOSIS ABB=ON  PLU=ON  L1 AND PROMOTER AND ANTISENSE
L32      0 SEA FILE=SCISEARCH ABB=ON  PLU=ON  L2 AND PROMOTER AND
ANTISENSE
L33      0 SEA FILE=AGRICOLA ABB=ON  PLU=ON  L3 AND PROMOTER AND ANTISENSE

L34      2 SEA FILE=CAPLUS ABB=ON  PLU=ON  L4 AND PROMOTER AND ANTISENSE
L35      0 SEA FILE=EMBASE ABB=ON  PLU=ON  L5 AND PROMOTER AND ANTISENSE
L36      2 SEA L6 AND PROMOTER AND ANTISENSE
L37      49 SEA FILE=BIOSIS ABB=ON  PLU=ON  L1 AND (SOLUBILITY OR SOLUBLE)

L38      44 SEA FILE=SCISEARCH ABB=ON  PLU=ON  L2 AND (SOLUBILITY OR
SOLUBLE)
L39      20 SEA FILE=AGRICOLA ABB=ON  PLU=ON  L3 AND (SOLUBILITY OR
SOLUBLE)
L40      263 SEA FILE=CAPLUS ABB=ON  PLU=ON  L4 AND (SOLUBILITY OR SOLUBLE)
L41      20 SEA FILE=EMBASE ABB=ON  PLU=ON  L5 AND (SOLUBILITY OR SOLUBLE)

L42      396 SEA L6 AND (SOLUBILITY OR SOLUBLE)
L49      7 SEA FILE=BIOSIS ABB=ON  PLU=ON  L37 AND GALACTOSIDASE?
L50      5 SEA FILE=SCISEARCH ABB=ON  PLU=ON  L38 AND GALACTOSIDASE?
L51      2 SEA FILE=AGRICOLA ABB=ON  PLU=ON  L39 AND GALACTOSIDASE?
L52      14 SEA FILE=CAPLUS ABB=ON  PLU=ON  L40 AND GALACTOSIDASE?
L53      3 SEA FILE=EMBASE ABB=ON  PLU=ON  L41 AND GALACTOSIDASE?

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L54 31 SEA L42 AND GALACTOSIDASE?  
 L55 9 SEA FILE=BIOSIS ABB=ON PLU=ON L49 OR L31 OR L25 OR L19  
 L56 6 SEA FILE=SCISEARCH ABB=ON PLU=ON L50 OR L32 OR L26 OR L20  
 L57 3 SEA FILE=AGRICOLA ABB=ON PLU=ON L51 OR L33 OR L27 OR L21  
 L58 23 SEA FILE=CAPLUS ABB=ON PLU=ON L52 OR L34 OR L28 OR L22  
 L59 3 SEA FILE=EMBASE ABB=ON PLU=ON L53 OR L35 OR L29 OR L23  
 L60 44 SEA L54 OR L36 OR L30 OR L24

=> d ti so 1-44 l60

L60 ANSWER 1 OF 44 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN

TI Changes to the galactose/mannose ratio in **galactomannans** during  
**coffee bean** (*Coffea arabica* L.) development:  
Implications for in vivo modification of **galactomannan**  
synthesis.

SO Planta (Berlin), (June 2003) Vol. 217, No. 2, pp. 316-326. print.  
CODEN: PLANAB. ISSN: 0032-0935.

L60 ANSWER 2 OF 44 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN

TI In vivo modification of the cell wall polysaccharide **galactomannan**  
of guar transformed with a **alpha-galactosidase** gene cloned from  
senna.

SO Molecular Breeding, (2001) Vol. 7, No. 3, pp. 211-219. print.  
ISSN: 1380-3743.

L60 ANSWER 3 OF 44 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN

TI Fagopyritol B1, O-alpha-D-galactopyranosyl-(1fwdarw2)-D-chiro-inositol, a  
galactosyl cyclitol in maturing buckwheat seeds associated with  
desiccation tolerance.

SO Planta (Berlin), (May, 1998) Vol. 205, No. 1, pp. 1-11. print.  
CODEN: PLANAB. ISSN: 0032-0935.

L60 ANSWER 4 OF 44 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN

TI Characterization of *Coffea canephora* **alpha-D-galactosidase** blood  
group B activity.

SO Artificial Cells Blood Substitutes and Immobilization Biotechnology,  
(1996) Vol. 24, No. 5, pp. 489-502.  
ISSN: 1073-1199.

L60 ANSWER 5 OF 44 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
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TI Three **alpha-galactosidase** genes of *Trichoderma reesei* cloned by  
expression in yeast.

SO European Journal of Biochemistry, (1996) Vol. 240, No. 1, pp. 104-111.  
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L60 ANSWER 6 OF 44 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
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ISSN: 0250-5991.

L60 ANSWER 7 OF 44 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on  
STN

- TI ALPHA-D **GALACTOSIDASE** EC-3.2.1.22 IMMOBILIZED ON A **SOLUBLE** POLYMER.  
SO Enzyme and Microbial Technology, (1983) Vol. 5, No. 4, pp. 285-290.  
CODEN: EMTED2. ISSN: 0141-0229.
- L60 ANSWER 8 OF 44 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
TI THE PREPARATION AND PROPERTIES OF AN ALPHA **GALACTOSIDASE** IMMOBILIZED ON A **SOLUBLE** SUPPORT.  
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- L60 ANSWER 9 OF 44 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
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- L60 ANSWER 10 OF 44 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
TI Changes to the galactose/mannose ratio in **galactomannans** during **coffee bean** (*Coffea arabica* L.) development: implications for in vivo modification of **galactomannan** synthesis  
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- L60 ANSWER 11 OF 44 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
TI In vivo modification of the cell wall polysaccharide **galactomannan** of guar transformed with a alpha-**galactosidase** gene cloned from senna  
SO MOLECULAR BREEDING, (10 JUL 2001) Vol. 7, No. 3, pp. 211-219.  
Publisher: KLUWER ACADEMIC PUBL, SPUIBOULEVARD 50, PO BOX 17, 3300 AA DORDRECHT, NETHERLANDS.  
ISSN: 1380-3743.
- L60 ANSWER 12 OF 44 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
TI Fagopyritol B1, O-alpha-D-galactopyranosyl-(1->2)-D-chiro-inositol, a galactosyl cyclitol in maturing buckwheat seeds associated with desiccation tolerance  
SO PLANTA, (MAY 1998) Vol. 205, No. 1, pp. 1-11.  
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- L60 ANSWER 13 OF 44 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation. on STN  
TI CHARACTERIZATION OF COFFEA-CANEPHORA ALPHA-D-**GALACTOSIDASE** BLOOD-GROUP-B ACTIVITY  
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(2005) on STN
- TI Changes to the galactose/mannose ratio in **galactomannans** during  
**coffee bean** (*Coffea arabica* L.) development:  
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(2005) on STN
- TI In vivo modification of the cell wall polysaccharide **galactomannan**  
of guar transformed with alpha-**galactosidase** gene cloned from  
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- TI Fagopyritol B1, O-alpha-D-galactopyranosyl-(1 leads to  
2)-D-chiro-inositol, a galactosyl cyclitol in maturing buckwheat seeds  
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CODEN: USXXCO
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activity for preparing high quality **soluble** coffee  
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CODEN: PIXXD2
- L60 ANSWER 23 OF 44 CAPLUS COPYRIGHT 2005 ACS on STN  
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- L60 ANSWER 25 OF 44 CAPLUS COPYRIGHT 2005 ACS on STN  
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CODEN: MOBRFL; ISSN: 1380-3743
- L60 ANSWER 26 OF 44 CAPLUS COPYRIGHT 2005 ACS on STN  
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- L60 ANSWER 28 OF 44 CAPLUS COPYRIGHT 2005 ACS on STN  
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- L60 ANSWER 30 OF 44 CAPLUS COPYRIGHT 2005 ACS on STN  
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CODEN: ABSBE4; ISSN: 1073-1199
- L60 ANSWER 31 OF 44 CAPLUS COPYRIGHT 2005 ACS on STN  
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- L60 ANSWER 32 OF 44 CAPLUS COPYRIGHT 2005 ACS on STN  
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- L60 ANSWER 33 OF 44 CAPLUS COPYRIGHT 2005 ACS on STN  
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- L60 ANSWER 34 OF 44 CAPLUS COPYRIGHT 2005 ACS on STN  
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- L60 ANSWER 35 OF 44 CAPLUS COPYRIGHT 2005 ACS on STN  
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CODEN: CRBRAT; ISSN: 0008-6215
- L60 ANSWER 36 OF 44 CAPLUS COPYRIGHT 2005 ACS on STN  
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- L60 ANSWER 42 OF 44 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.  
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Refs: 24  
ISSN: 0040-4039 CODEN: TELEAY
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- TI Characterization of Coffea canephora  $\alpha$ -D- **galactosidase**  
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ISSN: 0002-7863 CODEN: JACSAT

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	coffee adj plant same (reduced or reduction or reduce) same galactosidase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/21 13:28
S1	49125	coffee or coffea adj arabica	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:12
S2	34524	galactosidase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:12
S3	54	galacto adj5 mannans	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:13
S4	1101	galactomannans	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:13
S5	9	galacto-mannans	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:13
S6	603	S1 and (S2 or S3 or S4 or S5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:14
S7	278	(antisense or anti-sense or anti adj sense) and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:15
S8	275	S7 and (transform\$ or transgen\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:16
S10	1	csp1 adj4 promoter and S8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:18
S11	272	promoter and S8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:18
S12	28	storage adj5 promoter and S8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:18



S13	183	(solubility or soluble) and (S12 or S11)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:19
S14	43	S13 and \$mannan\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:20
S15	54	S12 or S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:21
S16	43	S15 and (solubility or soluble) and promoter and \$mannan\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:23
S18	43	S16 and \$promoter\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:25
S19	42	S16 and galactosidase\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:37
S20	49125	coffee or coffea adj arabica	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29
S21	34524	galactosidase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29
S22	54	galacto adj5 mannans	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29
S23	1101	galactomannans	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29
S24	9	galacto-mannans	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29
S25	603	S20 and (S21 or S22 or S23 or S24)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29

S26	278	(antisense or anti-sense or anti adj sense) and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29
S27	275	S26 and (transform\$ or transgen\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29
S28	272	promoter and S27	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29
S29	28	storage adj5 promoter and S27	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29
S30	183	(solubility or soluble) and (S29 or S28)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29
S31	43	S30 and \$mannan\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29
S32	54	S29 or S31	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29
S33	43	S32 and (solubility or soluble) and promoter and \$mannan\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:29
S35	2	coffee adj plant same (reduced or reduction or reduce) same galactosidase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:41
S39	25	plant same (reduced or reduction or reduce) same galactosidase	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/01/14 19:45